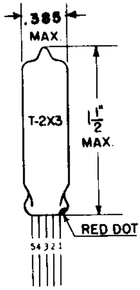
TUNG-SOL

PENTODE

SUBMINIATURE TYPE



GLASS BULB

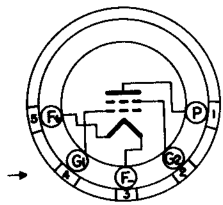
DOT IS ADJACENT TO LEAD 1

FILAMENT

1.25±20% VOLTS 0.02 AMP.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

0.016" TINNED FLEXIBLE LEADS 0.048" CENTER-TO-CENTER

THE 6088 IS A SUBMINIATURE POWER AMPLIFIER PENTODE OF LOW CURRENT DESIGNED FOR USE IN PORTABLE AND WEARABLE EQUIPMENT. THE FLEXIBLE LEADS MAY BE SOLDERED OR WELDED DIRECTLY TO THE TERMINALS OF CIRCUIT COMPONENTS WITHOUT THE USE OF SOCKETS. STANDARD SUBMINIATURE SOCKETS MAY BE USED BY CUTTING THE LEADS TO A SUITABLE LENGTH.

RATINGS

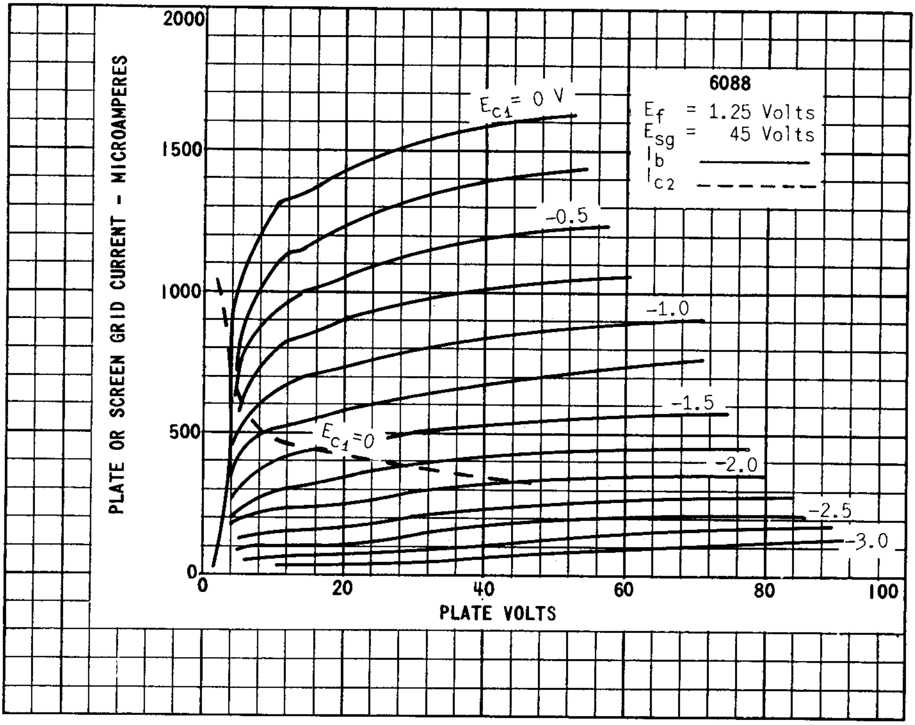
ABSOLUTE MAXIMUM VALUES

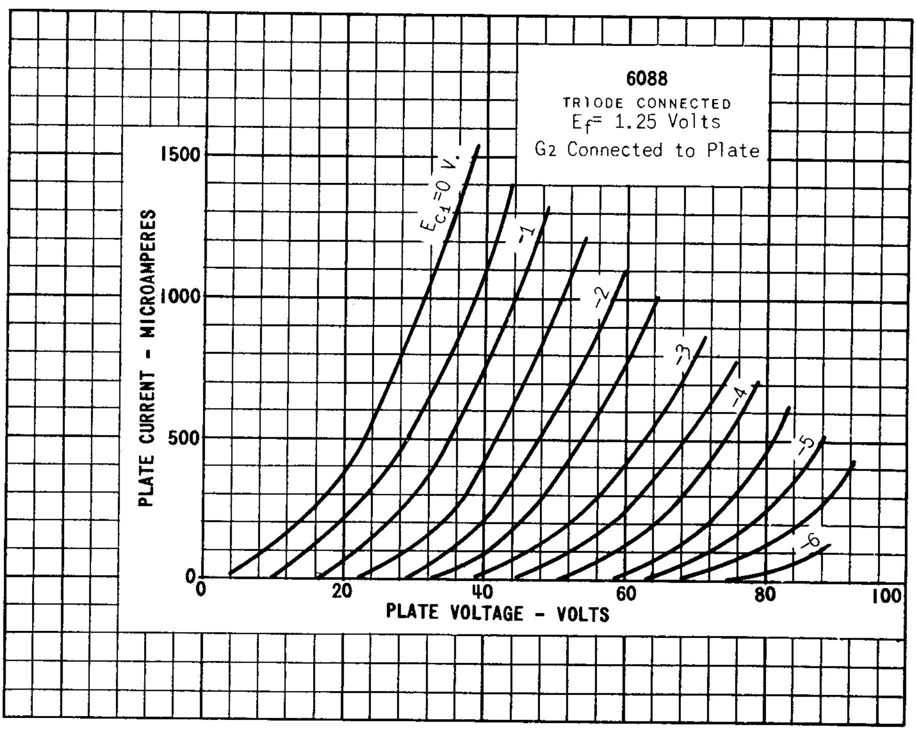
FILAMENT VOLTAGE	1.25±20%	VOLTS
MAXIMUM PLATE VOLTAGE	67.5	VOLTS
MAXIMUM SCREEN GRID VOLTAGE	67.5	VOLTS
MAXIMUM CATHODE CURRENT	1.5	MA.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

FILAMENT VOLTAGE	1.25	VOLTS
FILAMENT CURRENT	0.02	AMP.
PLATE VOLTAGE	45	VOLTS
SCREEN GRID VOLTAGE	45	VOLTS
CONTROL GRID VOLTAGE	−1.25	VOLTS
ZERO-SIGNAL PLATE CURRENT	650	μA.
ZERO-SIGNAL SCREEN GRID CURRENT	150	μA.
TRANSCONDUCTANCE	625	μMHOS
PLATE RESISTANCE (APPROX.)	0.7	MEGOHMS
LOAD RESISTANCE	0.08	MEGOHMS
POWER OUTPUT	10.5	MW.
DISTORTION (APPROX.)	10	PERCENT

→ INDICATES A CHANGE.


6088
E_f = 1.25 Volts
E_{sg} = 45 Volts
I_b
I_{c2}
E_{c1} = 0 V
-0.5
-1.0
-1.5
-2.0
-2.5
-3.0
E_{c1}=0
PLATE OR SCREEN GRID CURRENT - MICROAMPERES
2000
1500
1000
500
0
0
20
40
60
80
100
PLATE VOLTS


6088
TRIODE CONNECTED
E_f= 1.25 Volts
G2 Connected to Plate
E_{c1}=0 V.
-1
-2
-3
-4
-5
-6
PLATE CURRENT - MICROAMPERES
1500
1000
500
0
0
20
40
60
80
100
PLATE VOLTAGE - VOLTS